

Cystatin SN Human Recombinant

Item Number	rAP-3115
Synonyms	Cystatin-SN, Cystatin-SA-I, Cystatin-1, Salivary cystatin-SA-1, CST1.
Description	CST1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 145 amino acids (21-141 a.a.) and having a molecular mass of 16.9kDa. CST1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P01037
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSMWSPKEE DRIIPGGIYN ADLNDEWVQR ALHFAISEYN KATKD-DYYRR PLRVLRARQQ TVGGVNYFFD VEVGRTICTK SQPNLDTCAF HEQPELQKKQ LCSFEIYEVWENRRSLVKS RCQES.
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	CST1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 10% glycerol and 100mM NaCl. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**